GV-201
User Manual

Version 0.85

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Chapter 1
Features and Specification

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Features

- Complete car navigation solution in one box including car mount
- Simple touch-screen operation
- 4.0” screen, 65536 colors, bright TFT LCD
- Smart and easy:
  - Attach, switch it on and go
  - Large Function icons design for easy touched
  - User-Friendly keypad
  - Clear, high quality voice-guided instruction
  - Powered by cigarette lighter or long-life rechargeable battery
  - Easy to be mounted and removed
- Built-in antenna; MMCX-type connector for optional external antenna
- SD storage card expansion slot
- Supports MP3 and Movie file (dat and mpg format) Playback Function
- Supports Photo View
- Senses lighting conditions for automatic backlight dimming

Specification

► Hardware

Processor:	Samsung S3C2410 266Mhz 32 bits RISC Mobile Application Processor
Screen:	4.0”, 320×240 pixel, 65536 colors TFT LCD
System Memory:	64 MB SDRAM, 64MB Flash Memory
Battery:	Rechargeable 1300 mAh Li-ion battery One DC-IN jack: DC 4.6V~5.4V , 2A, Charging Time: 3hrs
GPS Receiver:	SiRF Star III High sensitivity chipset 20 channels “All-in-view” tracking Built-in active antenna MMCX-type connector for optional external antenna Hot start, 1 sec average Warm start, 38 sec average Cold start, 42 sec average Reacquisition, 100 ms
Display Interface:	4.0 Diagonal - 320x240 pixel, color TFT LCD Touch Screen Support Back light specification: 250 cd/m²
Audio Interface:	Audio Codec: 24 bit codec Sound: Internal mono loud speaker 3.5mm DIA stereo earphone jack output 1W speaker amplify
SD Expansion Slot:	SD card for maps/application storage
External power:	Cigarette plug or universal adapter
USB Port:	USB 2.0 for faster data transfer
Physical Size:	90mm (H) * 135 mm (W) * 29.4 mm (D)
Buttons:	Power Key, System Menu, Mute, Zoom In, Zoom Out, Volume +, Volume –, Reset Key (S/W reset) ; [Power Key + Reset Key] (H/W reset)

► Software

Microsoft Windows CE.Net 4.2 Core version
Application Software, Navigation Software and Map data (Europe or North America map)
SD card download the maps data from PC (DVD-ROM) via the card reader
Solutions: Car Navigation, MP3 Player, Movie Playback (.mpg, .dat) Function, Photo View

System UI language	Navigation software UI and voice command
English, German, French, Italian, Spanish, Dutch	Default : English_uk, English_us, German, French, Italian, Spanish, Portuguese, Dutch, Optional : Danish, Swedish, Norwegian, Finnish, Turkish, Russian, Hungarian, Czech,

☞ What is in the box

• GV-201
(including a stylus)

• Car holder

• Car charger

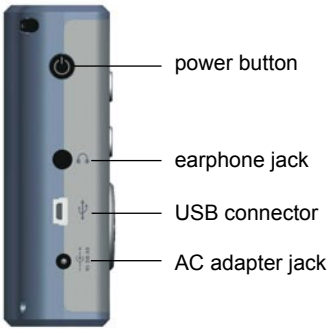
• USB cable

Overview

system menu button
mute button
volume up
zoom in
status indicator
volume down
zoom out

RESET button
RESET

stylus
SD card slot
external antenna connector
speaker
G-sat


power button
earphone jack
USB connector
AC adapter jack

Detailed Hardware Functions

Power button	Press the power button to turn on the GV-201, press it again to close any open windows and turn it off (enter a standby mode). **NOTE:** The GV-201 device needs about 2 seconds to enter the standby mode or come back to normal operating state. Thus, the power button may not function well if you continue to press it again within 2 seconds.
Main Control Buttons	System Menu Mute Zoom Out (Car Navigation Only) Zoom In (Car Navigation Only) Volume Down Volume Up
Status Indicator	charging: yellow blinking. charging completed: yellow. battery low: red.
SD card slot	The PC applications and map data can be stored in the SD card.
RESET button	Use the stylus tip to press down the reset button through the hole to reset the system.
Earphone jack	Plug the earphone or headset to the socket, you can listen to the navigation voice guide and enjoy your favorite MP3 music.
USB Connector	Connect the GV-201 to PC via a USB cable, the GV-201 will become a card reader. You can access the memory card from the File Explorer of Windows. Besides, the battery will be charged when USB cable is connected.
AC adapter jack	Connect the external power connector by using car charger or AC Adaptor.
External antenna connector	For you to connect an optional MMCX-type external antenna.
Speaker	Allow the MP3 and Voice Navigation through the built-in speaker in the back side of the device.
Stylus	You can use the stylus pen instead of your finger to tap or input on the screen.

Chapter 2
Getting Started

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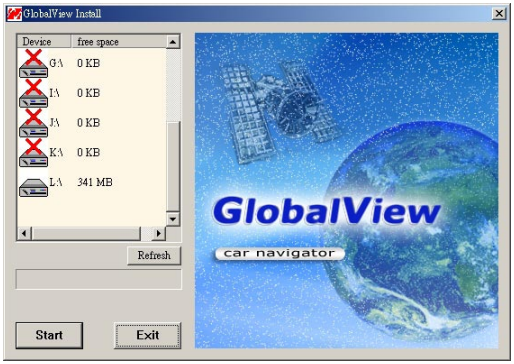
Download Application Software to memory card

► You can insert the SD memory card into the card reader for downloading the application software and map data, or you can insert the memory card into GV-201 and connect it with PC via the provided USB cable. Windows will detect the GV-201 as a card reader and assign it a drive letter.

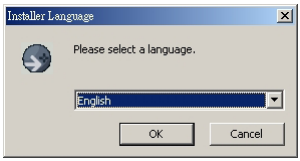
► Insert the DVD into the DVD-ROM, the **installation program** will automatically start as shown on the right figure. (If your autorun feature is disabled, please manually execute this program by double click the "auto.exe" from the root directory of DVD.)

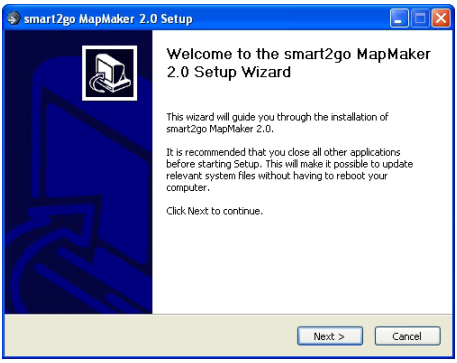
installation program

► Click the "**Make System Disk**" button; it will bring out the program which can copy the application software and navigation software into your SD memory card. Just select your memory card drive and click "**Start**". When the copying process is finished, click "**OK**" button, and then "**Exit**" button to close this program. Now the SD memory card is ready for use.



► Click the "**Install MapMaker**" button to install the MapMaker into your PC. Later you can use it to create your own customized maps. Please follow the instructions to complete the installation.




smart2go MapMaker 2.0 Setup
Welcome to the smart2go MapMaker 2.0 Setup Wizard
This wizard will guide you through the installation of smart2go MapMaker 2.0.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
Next >
Cancel

► Click the "**User Manual**" button to open the folder which contains the manual file. The manual file is a **PDF** format. If you don't have Acrobat Reader installed, please click the "**PDF Reader**" button to install the Acrobat Reader first.

Create Map and Export to Memory card

► smart2go™ MapMaker

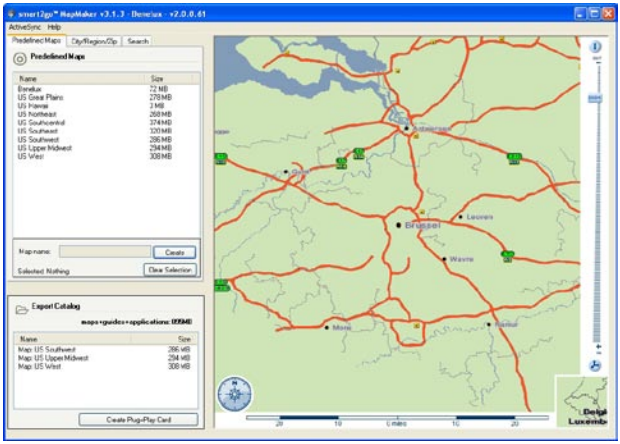
The smart2go™ MapMaker incorporates 3 simple steps that enable you to create customized maps and save them on a memory card for use with a supported handheld device.
This guide will lead you through the steps to:

1. Define an area or a route → **2.** Create a map → **3.** Export a route or a map

After you have installed the software, start the program by double clicking the smart2go™ icon on your Desktop.

The Main Screen will appear.
There are three tabs across the top left of the screen:

- **Predefined Maps** shows a listing of the major regions provided with the DVD.
- **City/Region/Post** shows drop down text boxes that permit you to enter the name of the City or State in which you are interested.
- **Search** provides a search tool for locating an exact address or to look for special Points of Interest (POIs).



Both the City/State and the Search text boxes have a “type ahead” feature. Simply enter the first few letters of the city, state or street name you are seeking and note the options that are displayed.

1. Define an area or a route

► Define an area

To define an area, you first select the correct region of the country. By way of example, let's assume you are travelling to London and want a map of the London metro area. Follow these steps:

- Select the **Predefined maps** tab.
- Select the **United Kingdom** region.
- Select the **City/Region/Post** tab.
- In the City/Region/Post text box, type in "lond" (always at least three characters).

You will note that numerous choices are presented.

- If you are not certain which you want, type in the name of the state or the postal code in the state text box.

London appears and the map now centres itself on the London city area. The selected area will be highlighted.

- If you are looking for a city starting with an abbreviation please type in the second name. (e.g. type in "sankt" for St. Gallen)
- To define your own custom area, simply select the Clear Selection button. Then use the mouse and the right mouse button to define a new area. Do this by placing the cursor at one corner of an area you wish to define, hold down the right mouse button and drag the mouse to create the new area.

► Define a route

To define a route, first follow the steps above to centre the map on the desired area, then:

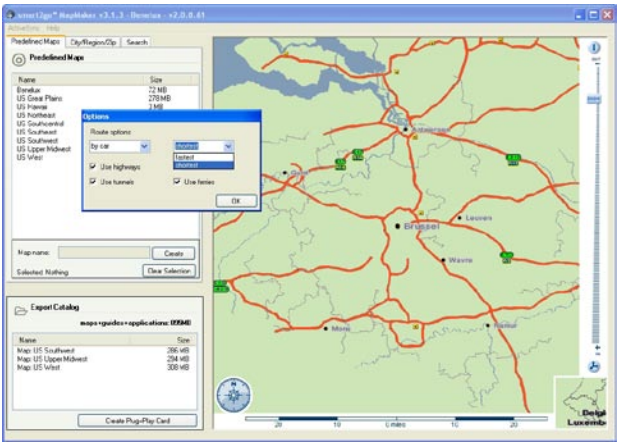
- Select a start point by placing the cursor on the desired place on the map.
- Use the right mouse button to display the routing menu.
- Select the start point by clicking **Add Waypoint**.
- Select the next waypoint by moving the cursor to the desired destination and selecting again **Add Waypoint**.
- To delete a waypoint select it by right click and press **Remove Waypoint**.
- **Hint:** Use the search functions to centre the map on your desired destination.

Once you define both a start point and a destination, the route will appear on the map and the area immediately surrounding the route will be highlighted.

- At any time that you wish to begin again, the **Clear Selection** button will clear the selected areas. Right click on a route and select **Clear route** to clear a route.

► Route Options

There are **Route options** in the routing menu (right mouse click on the map). You may choose among the following settings:



- ♦ Pedestrian/Car
- ♦ Fastest/Shortest
- ♦ Allow or avoid toll roads, highways, ferries and tunnels

Confirm your settings with OK.

► Map Viewing Options

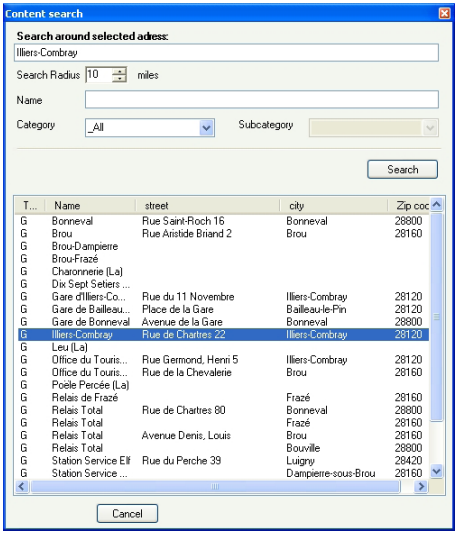
With the following functions you may adjust your map view:

- You can zoom in or out using the **Zoom** bar to the right of the screen.
- To pan the map hold the left mouse key and move the mouse in any direction.
- The map can be rotated 360 degrees by clicking and holding the **Compass** rose in the lower left part of the map window. A double click on the **Compass** rose will align the map to indicate North toward the top.
- The map view can be toggled between 2D and 3D by clicking on the **2D/3D button** below the zoom bar.
- By clicking on the **i button** in the upper right of the map screen, you can define the point-of-interest categories that will be displayed on the map.
- By clicking on the **distance legend** at the bottom of the map screen, you can toggle on and off distance markers.

► Content Search Options

You can search for specific content (e.g. a restaurant nearby or a specific hotel):

- Position the map to the location where you want to perform your search and right click on your mouse button.
- Click on **Content search** and the content search window opens.
- Type in the **Name** of the place you are looking for and define **Search Radius** and search **Category**.
- Confirm with **Search**.
- By clicking on the individual entry the map is moved to the specific location.


Content search
Search around selected adress:
Illiers-Combray
Search Radius 10 miles
Name
Category _All
Subcategory
Search
T... Name street city Zip coc
G Bonneval Rue Saint-Roch 16 Bonneval 28800
G Brou Rue Aristide Briand 2 Brou 28160
G Brou-Dampierre
G Brou-Frazé
G Charonnerie (La)
G Dix Sept Setiers ...
G Gare d'Illiers-Co... Rue du 11 Novembre Illiers-Combray 28120
G Gare de Bailleau... Place de la Gare Bailleau-le-Pin 28120
G Gare de Bonneval Avenue de la Gare Bonneval 28800
G Illiers-Combray Rue de Chartres 22 Illiers-Combray 28120
G Leu (La)
G Office du Touris... Rue Germond, Henri 5 Illiers-Combray 28120
G Office du Touris... Rue de la Chevalerie Brou 28160
G Poêle Percée (La)
G Relais de Frazé Frazé 28160
G Relais Total Rue de Chartres 80 Bonneval 28800
G Relais Total Frazé 28160
G Relais Total Avenue Denis, Louis Brou 28160
G Relais Total Bouville 28800
G Station Service Elf Rue du Perche 39 Luigny 28420
G Station Service ... Dampierre-sous-Brou 28160
Cancel

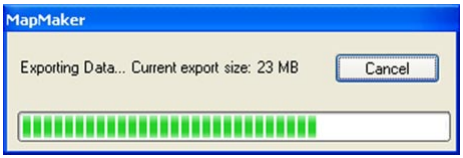
2. Create a map

Now that you have defined either an area or a route, it is time to create the map. In this process, smart2go™ prepares the files necessary for your handheld device to display the maps. All of the available directory information, known as Points of Interest, will also be exported at this time.

- After having defined a route or a map simply type a name in the **Map name** box.

The default name is “Custom area”. Whatever you type in this box will be the name of the map displayed on your handheld under the **Regions** menu selection. It is good practice to give your map a recognisable name.

- Once you have named your map or route, select the **Create** button.



The map creation process involves very large amounts of data, so depending on the speed of your computer, this process may take some considerable time. A progress bar will indicate the ongoing process. After successful map creation, the new map file is visible in the export catalogue which is located at the lower left hand portion of your screen.

3. Export a route or a map

The **Export Catalogue** shows the exported maps (with the names that you created earlier) plus any associated city guide data that will be copied onto your memory card.

- To export maps to a memory card, first insert a memory card into the memory card slot on your computer. If your computer is not equipped with a memory card reader or you do not have an external card reader, you may also connect your device via the ActiveSync software to your computer.
- To use the card reader, simply insert its USB plug into any USB port on your computer.
- Windows will display a pop up, usually on the lower right hand side of your screen, indicating that a new device has been found and is ready to use. Dismiss this pop up by clicking on it as indicated.

It is very important that the memory card that you use be properly formatted. smart2go™ requires the memory card to be formatted FAT and **not FAT32**.

- To format the card, open the **My Computer** icon from your desktop.
- Right click on the drive icon that corresponds to the memory card reader, and select Format.
- Select **FAT** and then enter a name for the card, if you wish.
- Select Start.

You should consult the manual that came with your operating system if you are unsure of format process.

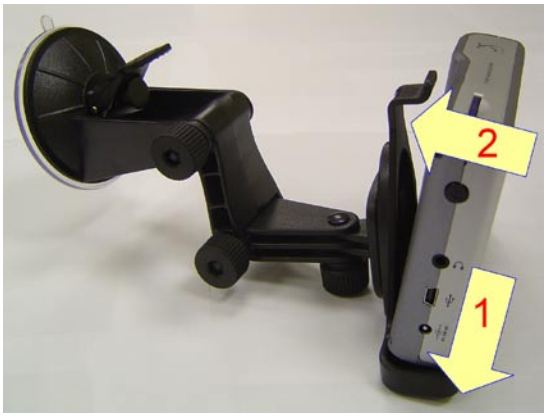
- Select the **Create Plug+Play Card** button at the bottom of the Export catalogue window.

When the card has been created, you will see a pop up that advises you of this fact. You are now ready to insert the card into your handheld device.

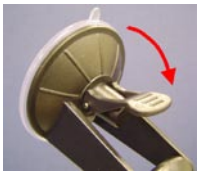
Hint:

- If you want to delete exported maps from the export catalogue, simply select the map you wish to delete and click on the right mouse button.
- You may elect to delete the selected map (**Delete map**) or all maps (**Clear all**) in the export folder.

Attach GV-201 to Car Holder



release



lock

1. Put the GV-201 downward to the holder.
2. Push the top of GV-201 inward to lock it in the clip.
3. Attach the suction mount to the windshield and have the base of the device stabilized on the dashboard of your car.

Attach the suction mount to the windshield.

Let the base of the device stabilized on the dashboard of your car.

- It is suggested that you attach the car holder in the appropriate place in your car. Do not mount in front of an airbag panel or block the driver's vision.

Connecting the Car charger

1. Connect one end of the car charger to the AC adapter jack of the device.

2. Connect the other end of the car charger to the cigarette lighter in the car. The green LED power indicator on the car charger will be on which indicates the power is supplied.

Chapter 3
Software Application

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System menu

The system menu screen controls the GV-201. All the main features can be accessed from the system menu with five icons.

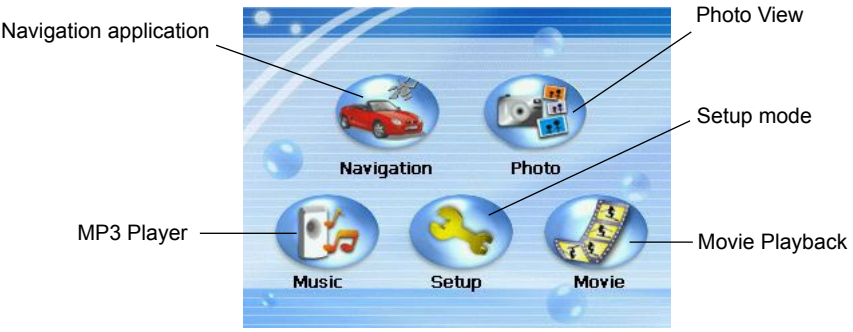
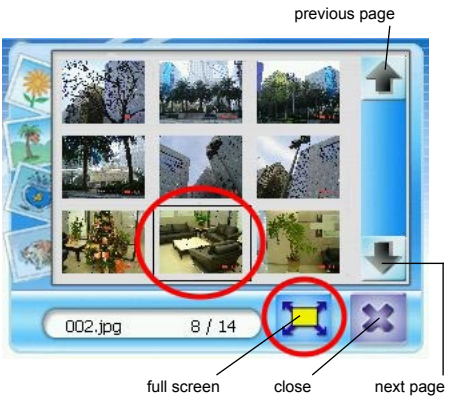


Photo View

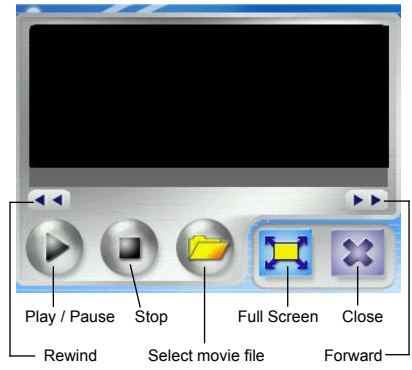
Click on the **Photo** icon in system menu to enter the **Photo View** program. All the image files on the GV-201's memory cards will be searched for displaying. Any pictures found will be displayed as thumbnails as shown below.
On the image window, tap the **up** button to display previous page, or **down** button to display next page. Tap the **close** button to exit the Photo View.
To show an image in full screen mode simply select the picture by tapping on it, and then tap on the **full screen** button.

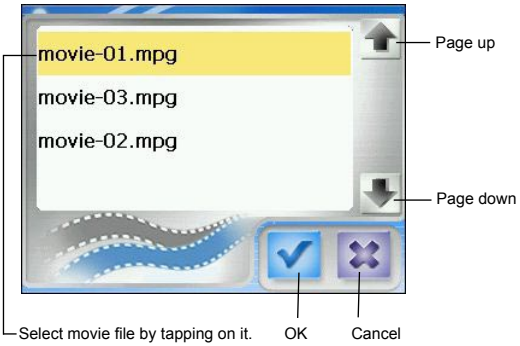
In the full screen mode, you can also tap the **up** and **down** buttons to view previous and next picture or tap **close** button on the left upper corner to exit the full screen mode.



Movie Playback

You can store your movie files in the memory card and play them on GV-201. The supported movie files must be encoded in **mpg** and **dat** format. The GV-201 has a full function media player, which has play, stop, pause, forward and rewind functions in the movie player control. To enter the Movie Playback function, just click on the **Movie** icon in system menu.





MP3 Player

From the system menu, click on **Music** icon to enter the MP3 Player program. The GV-201 will scan the memory card for all the MP3 audio file. Play lists can be created from the audio files. All the songs are played sequentially from a play list.

► Playback screen

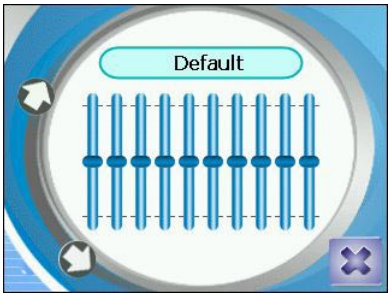
Create a Playlist
Play / Pause
Stop
Equalizer
Previous song
Next song
Random mode: Randomly playing the songs from the playlist.
Sequential mode: Play the songs from the playlist sequentially.
Normal mode: It stops playing at the end of the playlist.
Repeat mode: Continue to play from the beginning of playlist.

► Create a Playlist

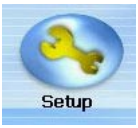
Go back to Playback screen
Add the highlighted song to playlist, the name of the song will be red.
Remove the highlighted song from playlist, the name of the song will be black.
03 there you'll be.mp3
02 without you.mp3
01 my heart will go on.
Previous page
Highlight a song by tapping on it.
Next page
Close
Add all songs to playlist
Remove all songs from playlist

► Equalizer

The MP3 Player has 4 equalizer settings to suit the style of the music. To select the style, simply click the **up** or **down** arrow button to switch between **Default**, **Classical**, **Rock** and **Metal** mode.



Setup



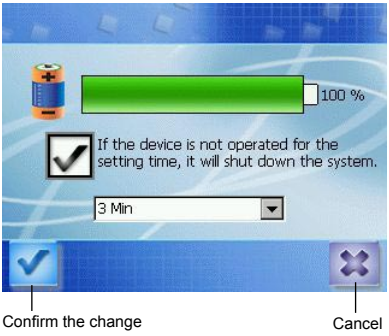
Click on the **Setup** icon from system menu, you can enter the setup mode to configure your GV-201.

► About

Display the program version information.

► Power

From here you can see the remaining capacity of the battery. The auto shut down function is only valid when GV-201 is not connected to external power. If it is connecting to the AC adapter, the system will not be shut down even if you have checked this setting.



► System Information

Display the free memory card capacities and the firmware version information.

Main Memory(Free/Total) :25.51 MB / 31.17 MB
SDMMC(Free/Total) :140.90 MB / 242.06 MB
PCB version MANTA_REV_5
Firmware version 1.4a/1.4a/DEV2

► Brightness

You can change the backlight brightness by tapping on the two bulb icons. Tap the left bulb to make the screen darker, or the right bulb to make the screen brighter.

Confirm the change Cancel

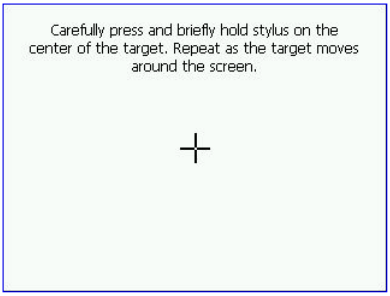
► Regional Setting

Set the User Interface language and the time zone.

Confirm the change Cancel

► Screen

If you perform a hard reset, a new calibration setting of the screen is required. Tap on the center of the cross mark, repeat the action when it appears on the four corners of the screen.



Chapter 4
Navigation Application

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Quick Start

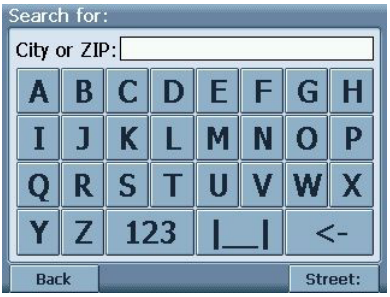
This section will walk you through using your navigation unit for the first time, acquainting you with the basic operation of the navigation system. The functions and buttons not mentioned will be described later in this chapter.

Switch the unit on and tap **Navigation** in the start screen. After the application loads the Main Menu (Home) will appear.

Select **Navigate** to set your destination. The Finder menu opens. You have various ways to select your destination. The following section describes how to navigate to a specific address.

Navigate to an address

If you have the city and street address for your destination, simply enter it and the application will guide you directly there.



Tap the **Address** icon. The Address Search screen with the keypad will now appear in the display.

Switch between letter and number mode by pressing **123** or **ABC**.

Tap in the **City or ZIP** field and enter your destination by tapping the letters in the keypad (at least three characters). Instead of the city you may also enter the Post code. Confirm the City/Post code you have entered and move to the Street screen by pressing **Street:**.

If at any point you want to Backspace and delete characters, press the **backspace button <-** on screen. To add a space, press the **space bar**.

Then you may also enter the Street name and then press **Number:** to go on.

Next, you may enter the Number. Confirm and move to a list of matching address by pressing the **Search** button.

> **NOTE:** If you have an imprecise address, such as “Trafalgar Square, Lodon”, you can enter that as well, the only requirement is to enter some letters of the city name to begin your search.

After a few seconds you will be presented with a Hit List of locations that match the address entered.

Select the required address from the Hit List by tapping it.

Once the system receives a GPS signal the guidance will commence automatically. The display will show the direction you need to travel and you will be given clear voice commands.

Navigation Screen

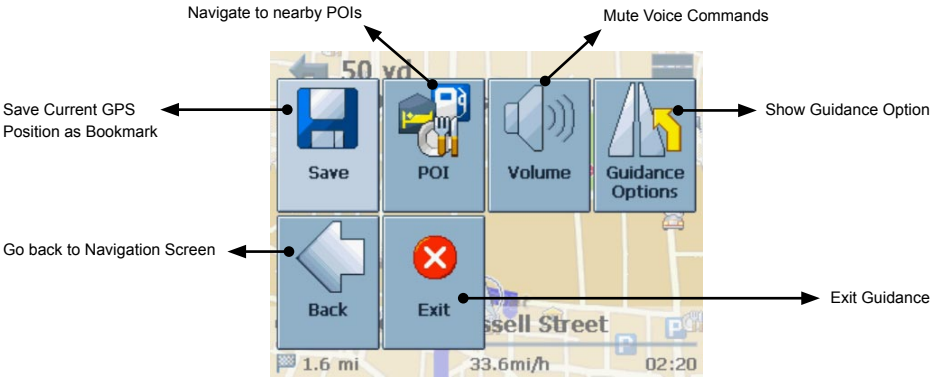
The Navigation Map will now appear and will show the route in blue. The red arrow will indicate the direction of your next manoeuvre. A white arrow will identify your current position. When you come up to a turn or other manoeuvre, you will hear a voice command at the appropriate time.

Rich Guidance Options

Touch the screen during the guidance to view the Navigation Options.

NOTE: Guidance, including voice commands, will continue even as you are in the Options screen.

You may save your GPS position as bookmark, record your route, look for latest traffic information, change your destination to a Point of Interest, etc.



First Settings

Switch the unit on and tap **Navigation** in the start screen. After a short period of time the Main Menu (Home) will appear. Choose **Settings** and then **Guidance Options**. The Route Settings window will be displayed.

You can choose among the following options: Fastest or shortest route, pedestrian or car mode (and more), setting distance unit, allowance or avoidance of toll roads, highways, ferries and tunnels.

To switch between the modes just touch the icons. These will toggle so you can quickly see the activated settings. With **Back** you go back to the Main Menu.

Advanced Settings

Choose **Settings** and then **Language Settings** to select the language of your navigation system, or choose **Settings** and then **General Options**.
Here you have following options:

- Via **Set Home Position** you can determine your home address. Enter city, street etc. and press **Search**. Then touch the **Home position** once to save it.
- Via **Set Work Position** you can determine your workplace or another address you use frequently.
- If you have map data for different regions/cities on your memory card, press **Current**. All available maps on the memory card will be listed and you can choose by simply tapping the desired region.

NOTE: All information like Settings, Bookmarks and also the Recent items will be stored on the memory card and not on the device.

Main Menu Contents

The interface of the Main Menu is coherent throughout the whole navigation system. Via the Main Menu you may access all functions.

Start the navigation system by pressing **Navigation** in the start screen. After a short period of time the Main Menu will appear.

► If you want to start your route guidance straight away to the home address you have previously configured in the Settings menu (see section “Advanced Settings”), press **My Home**.

► To choose another destination, select **Navigate**. You may then select your destination point from a Guide, by consulting a Map or Address Search, or via your personal bookmarks like Home or Work addresses.

► By selecting **Plan route** you switch to the advanced route planning options. There you may plan your route by choosing multiple stopovers.

► Via **Settings** you may determine following options:

- **Guidance Options:** Fastest or shortest route and car or pedestrian mode. Furthermore you can allow or avoid toll roads, highways, ferries and tunnels.
- **Language Settings:** Here you may select other languages.
- **General Options:** You may set your home position etc. (see section “Settings”). Furthermore the currently used map data will be announced. If you have more countries on your memory card, you may switch to another country.

► Press **Track** to show your current GPS position.

► You may also explore a town/city or its surroundings on a **Map** (General Map) and select places or points of interest by tapping the map. You may also use these for navigation and for planning your route.

► **Guide** is a unique feature. Branded travel/city guides will help you to find out what is nearby and will give you valuable information about attractions, restaurants, hotels, etc. with detailed descriptions. You may then use these for navigating, or save the location as a Bookmark. The (city-) guides may be purchased optionally.

► With the **POI** finder you can quickly find Points of Interest nearby like gas stations and restaurants that are chosen from a database of millions of POI.

At the bottom of the screen, your GPS status will be displayed all the time, showing the current street you are on and the number of satellites the GPS system is currently tracking.

With **Exit** you quit the navigation system.

How Do I Set My Destination?

You may choose your destination using your Home address, the Address Search, Bookmarks, your Work address, Recent searched destinations, Guides, the Map or via the POI finder.

Press **Navigate** in the Main Menu. The Finder menu opens.

Press **My Home** to start directly your guidance to your home address. The route guidance system will start automatically.

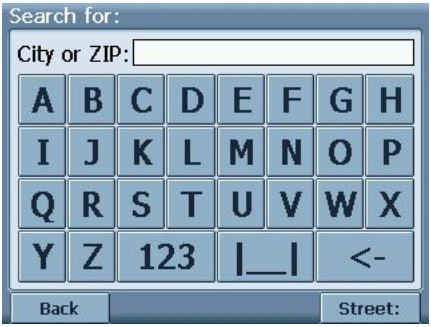
NOTE: For this you have to predetermine your Home address via **Main Menu** → **Settings** → **General Options** → **Set Home Position**.

Via **Back** you may always step one level back throughout the whole application.
Alternatively you may use the other destination setting possibilities (see following pages):

► Address Search

An Address Search will enable you to perform a search by entering information about a place of interest (street and town/city). You may then select a hit from the Hit List and start navigating. When you want to navigate or plan your route, you may search your destination addresses in the Address Search. Alternatively, you may wish to pinpoint a specific location.

To start this function click on the **Address** icon. The Address Search with the keyboard will now appear in the display.



- Switch between letter and number mode by pressing **123** or **ABC**.
- Tap in the City or ZIP field and enter your destination by tapping the letters in the keypad (at least three characters). Instead of the city you may also enter the Post code. Confirm the City/Post code you have entered and move to the Street screen by pressing **Street:**.
- If at any point you want to Backspace and delete characters, press the **backspace button <-** on screen. To add a space, press the **space bar |__|**.
- Then you may also enter the Street (not mandatory) and then press **Number:**.
- Furthermore you may enter the Number (not mandatory). Press **Search**.

The Hit List will be displayed.

- Select the desired address from the Hit List.

If you reached the Address Search function via the Finder tab, Navigation will start automatically after selection. Clear visual and voice commands will guide you along the route. (The Navigation Map and Guidance Options are described in “Navigation Screen”.)

► Bookmarks

The Bookmarks list contains the destinations you have saved as favorites (from the Guides, from your Address Search, etc.). There is no need to perform repeated searches for those destinations.

- Press on the **Bookmarks** icon.
- Use the **Up** and **Down** arrows to scroll up and down in the list. Select an item by clicking on it.
- With the Trashcan icon you may delete a marked entry.
- Select an item and tap on the **Edit** icon (bottom right) to edit the entry.
- Touch an entry to start the navigation.

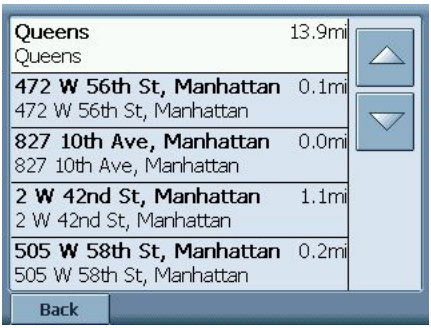
► My Work

By pressing on **My Work** you will be guided directly to your workplace or another frequently visited location.

> **NOTE:** For this you have to predetermine you workplace via **Main Menu → Settings → General Options → Set Work Position**.

► Recent

By pressing **Recent** a list with the recent visited and searched destinations will be opened. (See also instructions in section “Bookmarks”.)


Queens 13.9mi
Queens
472 W 56th St, Manhattan 0.1mi
472 W 56th St, Manhattan
827 10th Ave, Manhattan 0.0mi
827 10th Ave, Manhattan
2 W 42nd St, Manhattan 1.1mi
2 W 42nd St, Manhattan
505 W 58th St, Manhattan 0.2mi
505 W 58th St, Manhattan
Back

► Map

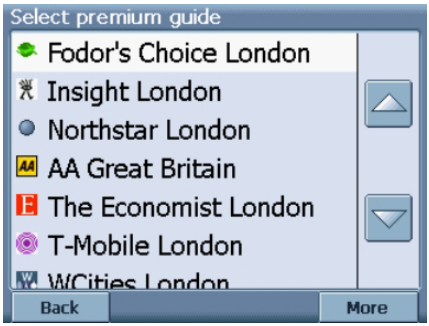
Via **Map** you can move on the map of the surrounding area and select items for guidance. (See also “How do I select addresses on the map?”.)

► POI

You may also select a destination via the **POI** (Points of Interest) finder. Here you may choose among frequently used categories such as Gas Station, Restaurant, Parking, Car Park, Hotel, Sights and Airports.
By pressing **More** you will switch to the full POI list.

► Guides

Press on **Guide** and the guide list for the current region you are in will be opened.
You may choose a guide item as destination, save it as bookmark or pinpoint the location. (See also section “How do I use guides?”.)



NOTE: Guides are an optional feature and may be purchased at: www.gate5-guides.com

How Can I Plan My Route?

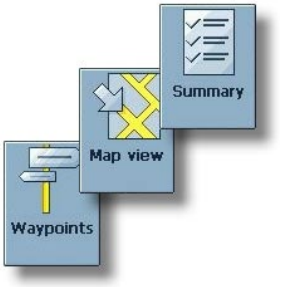
Using the Advanced Route Planning Options you may plan your route with multiple stopovers along your journey.

- To start this function select **Plan Route** in the Main Menu. The Destination List will be displayed.
- By pressing the + icon you can add a stopover.

You will switch to the Choose stopover screen, which looks the same like the Destination Finder screen and is exactly the same to use. You may choose stopovers via your Home Address, the Address search, Bookmarks, your workplace, Recent locations, Guide, Map and POIs.

Once you have added stopovers (with the **Add** Icon) and returned to the Destination List, you have several options:

- With the **+ icon** you can add more stopovers.
- Select a Stopover and then use the **Up** and **Down** arrows to change the order of the stopovers.
- With the **Trashcan** icon you can delete a selected stopover.
- Via **Menu** you may start following functions:
- With **Start Simulation** you can simulate the forthcoming route.
- By pressing **Start Navi** the guidance will start automatically and the display will switch to the navigation map.
- With **Show Route** the system will calculate your route and the **Summary** will be displayed.
- Select again **Menu** to display the **Waypoints** or the **Map View**.



How Do I Select Addresses on the Map?

The Map (General Map) not only shows roads and squares, but also Points of Interest such as restaurants, cultural attractions, parking garages, etc.

To start this function press the Map icon in the Main Menu. The General Map will now appear in the display.

► Functions of buttons

- Discover your surroundings by dragging the map with your finger (or with the pen).
- Point at the symbol of a location to display its name.
- Choose a location as destination by pressing **Guidance** or **Save** it as bookmark.
- Via **Search** you switch to the Search Menu.

► Further functions

- Use the **Scroll Bar** on the right to zoom in (down) or out (up) on the Map.
- Use the symbol in the bottom right-hand corner to toggle between **2D** and **3D view**.
- With the **Compass icon** (in the bottom left hand corner) you may adjust you orientation.

► Map Info

Use the i symbol (top right) to select locations to be displayed on the Map. The Map Info Layer screen will appear. In the check box to the right you may choose which Points of Interests you wish to be displayed on the map.

- By pressing **All** you will select all POIs. If you do not want any POIs to be displayed on the map select **None**.
- Confirm with **OK** or cancel your changes with **Back**.

Chapter 5
Troubleshooting

► If the GV-201 does not boot up successfully or does not function properly:

1. Please check if the ***Application software*** is properly installed in the memory card.
2. Please check if the ***SD memory card*** is inserted into the SD expansion slot.
3. Please check if the ***battery power***. (A red light indicates the battery power is low and needs to be charged. An yellow light will start to blink when it is in charging status, and the yellow light will be on when the battery is fully charged.)
4. Perform the "***Soft Reset***". If this doesn't solve your problem, perform the "***Hard Reset***". (Performing a Hard Reset should solve most of the problems.)

► Soft Reset and Hard Reset:

If your GV-201 is down or it encounters an unexpected error, you can reset it. There are two types of reset: a hard reset and a soft reset. You will need to use a stylus or pencil to press the reset button.

Soft Reset

Pressing the reset button will restart the system retaining all the information stored on the device.

Hard Reset

A hard reset will re-initialize the GV-201 back to the factory settings. You should not need to use this under normal operating conditions. To start a hard reset, you need to press and hold the reset button meanwhile pressing down the power button.

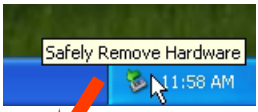
Note 1: A hard reset will delete some of the information stored on the device and revert to its original factory settings. All data stored on the memory card, such as music files and movie files will be retained.

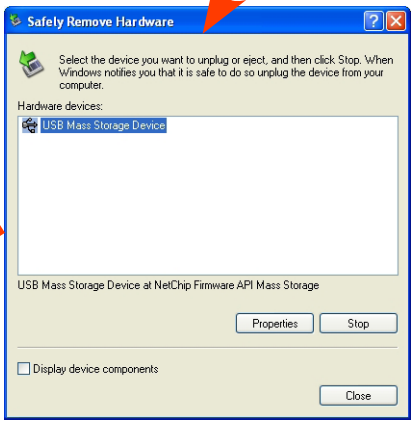
Note 2: When the system has been hard reset, the screen needs to be aligned before it can be used. The screen correction program will start automatically. Using the stylus to tap on the cross mark in the middle of the screen. The cross mark will now move to the upper left corner. Tap it in the center again. Repeat this for the remaining 3 corners. If this failed, please repeat from the beginning. After all the steps are finished, touch the screen again and the system menu will appear on the display.

► Safely Remove Hardware

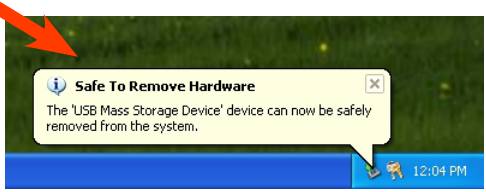
Before you remove the memory card from the card reader, or before you unplug the USB cable from the device or USB port, please safely remove the hardware by the following processes:

1. Double click the "**Safely Remove Hardware**" icon from the task bar. (the right bottom corner of desktop)
2. Select the hardware device and then click the "**Stop**" button.
3. Confirm by selecting the device again and click "**OK**" button.
4. When you see a message showing "**Safe To Remove Hardware**" on desktop, then you can remove the memory card or unplug the USB cable.




Safely Remove Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
USB Mass Storage Device at NetChip Firmware API Mass Storage
Properties
Stop
Display device components
Close

Stop a Hardware device
Confirm devices to be stopped, Choose OK to continue.
Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.
USB Mass Storage Device
Generic volume - (H:)
USB Device
OK
Cancel



► Format the memory card

It is important that your SD memory card must be formatted as **FAT** (not FAT32).

FCC Notices

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC RF Exposure requirements:
This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.